

Listing of Claims:

1. (Previously Presented): An electro-optical component having a plastic housing that includes at least one metallic soldering area, characterized in that the surface of the plastic housing, except for the metallic soldering area, is at least partially covered by an anti-solder coating that prevents solder adherence to the coating.
2. (Previously Presented): An electro-optical component as in Claim 1 or 28 or 29 or 30 or 31, characterized in that the anti-solder coating consists essentially of a siloxane.
3. (Previously Presented): An electro-optical component as in Claim 2, characterized in that the anti-solder coating consists essentially of a polysiloxane.
4. (Previously Presented): An electro-optical component as in Claim 3, characterized in that the anti-solder coating consists essentially of a methyl-polysiloxane.
5. (Previously Presented): An electro-optical component as in Claim 4, characterized in that the anti-solder coating consists essentially of a dimethyl-polysiloxane.
6. (Previously Presented): An electro-optical component as in Claim 5, characterized in that the anti-solder coating consists essentially of a polyether-modified dimethyl-polysiloxane.

7. (Previously Presented): An electro-optical component as in claim 1, characterized in that the plastic housing contains a radiation-emitting and/or radiation-detecting semi-conductor element that is embedded in transparent plastic for the emitted and/or received radiation.

8.-26. (Cancelled)

27. (Previously Presented): An electro-optical component as in claim 1 wherein said component is a surface-mountable radiation-emitting and/or radiation-sensitive electro-optical component.

28. (Previously Presented): An electro-optical component having a plastic housing that includes at least one metallic soldering area, characterized in that the surface of the plastic housing, except for the metallic soldering area, is at least partially covered by an anti-solder coating, wherein said component is an unsoldered component, said anti-solder coating preventing solder adherence to the coating.

29. (Previously Presented): An electro-optical component having a plastic housing that includes at least one metallic soldering area, characterized in that the surface of the plastic housing, except for the metallic soldering area, is at least partially covered by an anti-solder coating prior to soldering of said component at said soldering area, said anti-solder coating preventing solder adherence to the coating.

30. (Previously Presented): An electro-optical component having a plastic housing that includes at least one metallic soldering area, characterized in that the surface of the plastic housing, except for the metallic soldering area, is at least partially covered by an anti-solder coating, wherein said component is apart from any support structure, said anti-solder coating preventing solder adherence to the coating.

31. (Previously Presented): An electro-optical component having a plastic housing that includes at least one metallic soldering area, characterized in that the surface of the plastic housing, except for the metallic soldering area, is at least partially covered by an anti-solder coating, wherein said coating has an end, and said coating ends at said component, said anti-solder coating preventing solder adherence to the coating.
32. (Previously Presented): An electro-optical component as in claim 1 or 28 or 29 or 30 or 31, wherein the anti-solder coating can be applied to the plastic housing from a hydrous solution.
33. (Previously Presented): An electro-optical component as in claim 1 or 28 or 29 or 30 or 31, wherein the electro-optical component is an electro-optical receiving or transmitting device.